In the Claims:

Please cancel claim 1, without prejudice, amend claims 2, 5-6, 8, 11, 13, 16 and 19, and add new claims 22-24 as follows:

1. (Cancelled)

in the radial direction of the magnetic disk,

the position detected by the position sensor.

2. (Currently amended) The magnetic transfer apparatus according to claim 221, wherein said magnetizing mechanism comprises:

— a master magnetic body contacting against the magnetic disk a contact surface bordered along a contour of a servo pattern, said master magnetic body defining in the contact surface a depression corresponding to a shape of the servo pattern, a circumferential extent of the depression being set larger at an outer position of the magnetic disk than an inner position of the magnetic disk;

— a magnet designed to face the master magnetic body, said magnet applying a magnetic field to the master magnetic body so as to form a magnetic field for writing within the depression; and further comprising:

a position sensor related to the magnet so as to detect a position of the magnet

wherein the intensity of the magnetic field within the depression is set based on

- 3. (Original) The magnetic transfer apparatus according to claim 2, further comprising a magnetic intensity adjusting mechanism related to the magnet, said magnetic intensity adjusting mechanism designed to drive the magnet for rotation around a rotation axis intersecting a surface of the magnetic disk in accordance with the position of the magnet.
- 4. (Original) The magnetic transfer apparatus according to claim 3, wherein said support mechanism comprises:
 - a driving shaft receiving the magnetic disk; and
- a controlling mechanism related to the driving shaft, said controlling mechanism designed to change a rotation speed of the driving shaft in accordance with the position of the magnet.
- 5. (Currently amended) The magnetic transfer apparatus according to claim 122, wherein said magnetizing mechanism comprises:

a master magnetic body contacting against the magnetic disk a contact surface bordered along a contour of a servo pattern, said master magnetic body defining in the contact surface a depression corresponding to a shape of the servo pattern, a circumferential extent of the depression being set larger at an outer position of the magnetic disk than an inner position of the magnetic disk;

an electromagnet designed to face the master magnetic body, said electromagnet generating a magnetic field in response to supply of an electric power so as to

form a magnetic field for writing within the depression; and

the magnet is an electromagnet designed to generate the magnetic field for writing within the depression in response to supply of electric power, the magnetic transfer apparatus further comprising

a magnetic intensity adjusting mechanism related to the electromagnet, said magnetic intensity adjusting mechanism designed to change a magnitude of the electric power in accordance with a displacement of the electromagnet in the radial direction of the magnetic disk.

- 6. (Currently amended) The magnetic transfer apparatus according to claim 65, wherein said magnetic intensity adjusting mechanism is designed to drive the electromagnet for rotation around a rotation axis intersecting a surface of the magnetic disk in accordance with the displacement of the electromagnet.
- 7. (Original) The magnetic transfer apparatus according to claim 6, wherein said support mechanism comprises:
 - a driving shaft receiving the magnetic disk; and
- a controlling mechanism related to the driving shaft, said controlling mechanism designed to change a rotation speed of the driving shaft in accordance with the displacement of the electromagnet.

8. (Currently amended) The A magnetic transfer apparatus according to claim 1, wherein said magnetizing mechanism comprises comprising:

a support mechanism designed to support a magnetic disk;

a master magnetic body contacting against the magnetic disk a contact surface bordered along a contour of a servo pattern, said master magnetic body defining in the contact surface a depression corresponding to a shape of the servo pattern, a circumferential extent of the depression being set larger at an outer position of the magnetic disk than an inner position of the magnetic disk;

a magnet designed to face the master magnetic body, said magnet applying a magnetic field to the master magnetic body so as to form a magnetic field for writing within the depression; and

a magnetic intensity adjusting mechanism related to the magnet, said magnetic intensity adjusting mechanism designed to generate a displacement of the magnet in a vertical direction perpendicular to a surface of the magnetic disk in response to a displacement of the magnet in the radial direction of the magnetic disk.

9. (Original) The magnetic transfer apparatus according to claim 8, wherein said magnetic intensity adjusting mechanism is designed to drive the magnet for rotation around a rotation axis intersecting a surface of the magnetic disk in accordance with the displacement of the magnet in the radial direction.

10. (Original) The magnetic transfer apparatus according to claim 9, wherein said support mechanism comprises:

a driving shaft receiving the magnetic disk; and

a controlling mechanism related to the driving shaft, said controlling mechanism designed to change a rotation speed of the driving shaft in accordance with the displacement of the magnet in the radial direction.

11. (Currently amended) The magnetic transfer apparatus according to claim 122, wherein said magnetizing mechanism comprises:

bordered along a contour of a servo pattern, said master magnetic body defining in the contact surface a depression corresponding to a shape of the servo pattern, a circumferential extent of the depression being set larger at an outer position of the magnetic disk than an inner position of the magnetic disk;

———— a magnet designed to face the master magnetic body, said magnet applying a magnetic field to the master magnetic body so as to form a magnetic field for writing within the depression; and further comprising

a magnetic intensity adjusting mechanism related to the magnet, said magnetic intensity adjusting mechanism designed to drive the magnet for rotation around a rotation axis intersecting a surface of the magnetic disk in accordance with the displacement of the magnet in the radial direction.

12. (Original) The magnetic transfer apparatus according to claim 11, wherein said support mechanism comprises:

a driving shaft receiving the magnetic disk; and

a controlling mechanism related to the driving shaft, said controlling mechanism designed to change a rotation speed of the driving shaft in accordance with the displacement of the magnet in the radial direction.

13. (Currently amended) The magnetic transfer apparatus according to claim 122, wherein said magnetizing mechanism comprises:

bordered along a contour of a servo pattern, said master magnetic body defining in the contact surface a depression corresponding to a shape of the servo pattern, a circumferential extent of the depression being set larger at an outer position of the magnetic disk than an inner position of the magnetic disk; and

the magnet includes a pair of magnetic poles spaced from the master magnetic body at variable distances in accordance with positions in the radial direction of the magnetic disk.

14. (Original) The magnetic transfer apparatus according to claim 13, further comprising a magnetic intensity adjusting mechanism designed to drive the magnetic poles for rotation around a rotation axis intersecting a surface of the magnetic disk.

- 15. (Original) The magnetic transfer apparatus according to claim 14, wherein said support mechanism comprises:
 - a driving shaft receiving the magnetic disk; and
- a controlling mechanism related to the driving shaft, said controlling mechanism designed to change a rotation speed of the driving shaft in accordance with an angle of the rotation of the magnetic poles.
- 16. (Currently amended) The magnetic transfer apparatus according to claim 122, wherein said magnetizing mechanism comprises:

a master magnetic body contacting against the magnetic disk a contact surface bordered along a contour of a servo pattern, said master magnetic body defining in the contact surface a depression corresponding to a shape of the servo pattern, a circumferential extent of the depression being set larger at an outer position of the magnetic disk than an inner position of the magnetic disk; and

the magnet includes a pair of magnetic poles designed to face the master magnetic body, said magnetic poles being spaced from each other at variable distances in accordance with positions in the radial direction of the magnetic disk.

17. (Original) The magnetic transfer apparatus according to claim 16, further comprising a magnetic intensity adjusting mechanism designed to drive the magnetic poles for rotation around a rotation axis intersecting a surface of the magnetic disk.

18. (Original) The magnetic transfer apparatus according to claim 17, wherein said support mechanism comprises:

a driving shaft receiving the magnetic disk; and

a controlling mechanism related to the driving shaft, said controlling mechanism designed to change a rotation speed of the driving shaft in accordance with an angle of the rotation of the magnetic poles.

19. (Currently amended) The magnetic transfer apparatus according to claim 122, wherein said magnetizing mechanism comprises:

bordered along a contour of a servo pattern, said master magnetic body defining in the contact surface a depression corresponding to a shape of the servo pattern, a circumferential extent of the depression being set larger at an outer position of the magnetic disk than an inner position of the magnetic disk; and

the magnet includes a pair of magnetic poles designed to face the master magnetic body, said magnetic poles generatinggenerate a flow of magnetic flux in at least first and second directions within a plane including a surface of the magnetic disk.

20. (Original) The magnetic transfer apparatus according to claim 19, wherein a curved surface is defined on at least one of the magnetic poles, the curved surface being opposed to other of the magnetic poles.

21. (Original) The magnetic transfer apparatus according to claim 20, wherein said support mechanism comprises:

a driving shaft receiving the magnetic disk; and

a controlling mechanism related to the driving shaft, said controlling mechanism designed to change a rotation speed of the driving shaft in accordance with a displacement of the magnetic poles in the radial direction of the magnetic disk.

22. (New) A magnetic transfer apparatus comprising:

a support mechanism designed to support a magnetic disk;

a master magnetic body contacting against the magnetic disk a contact surface bordered along a contour of a servo pattern, said master magnetic body defining in the contact surface a depression corresponding to a shape of the servo pattern, a circumferential extent of the depression being set larger at an outer position of the magnetic disk than an inner position of the magnetic disk; and

a magnet designed to face the master magnetic body, said magnet applying a magnetic field to the master magnetic body so as to form a magnetic field for writing within the depression, an intensity of the magnetic field within the depression being variable in response to a change of position in a radial direction of the magnetic disk.

- 23. (New) The magnetic transfer apparatus according to claim 16, wherein a distance between the magnetic poles is set larger at a position closer to the inner position than a position closer to the outer position.
- 24. (New) The magnetic transfer apparatus according to claim 19, wherein the magnetic poles extend in parallel with each other, each of the magnetic poles defining a curved surface opposed to other of the magnetic poles.